



# CONSTRUCTION EQUIPMENT

## VOLVO A40F 1 1927 - WET DISC BRAKE



**Sample No:** VCP312935  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP312935</b>	VCP373650	VCP378267	VCP358318
Sample Date	<b>01 Sep 2023</b>	24 Jan 2023	26 Sep 2022	14 Jul 2022
Machine Hours	<b>25041</b>	23982	23399	22926
Oil Hours	<b>1642</b>	583	2059	1586
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>51.6</b>	51.4	51.1	51.6
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### CONTAMINATION

Silicon	ppm	<b>13</b>	13	10	10
Sodium	ppm	<b>3</b>	5	2	5
Potassium	ppm	<b>1</b>	0	2	2

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>14</b>	12	13	10
Copper	ppm	<b>35</b>	31	39	28
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	1	2
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3216</b>	3222	3352	3416
Magnesium	ppm	<b>14</b>	20	13	14
Zinc	ppm	<b>1418</b>	1227	1347	1434
Phosphorus	ppm	<b>1145</b>	1019	1139	1168
Barium	ppm	<b>0</b>	0	2	2
Boron	ppm	<b>115</b>	104	104	122

**Depot:** SCHGRE  
**Unique No:** 10672290  
**Signed:** Don Baldrige  
**Report Date:** 02 Oct 2023

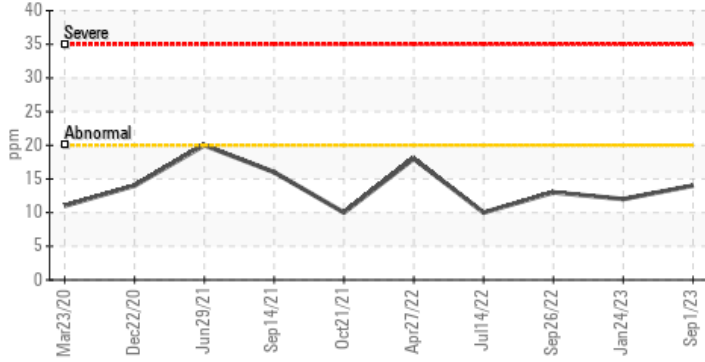


# CONSTRUCTION EQUIPMENT

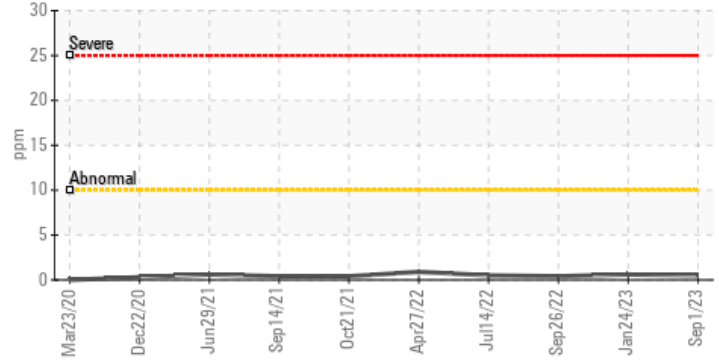


## VOLVO GRAPHS

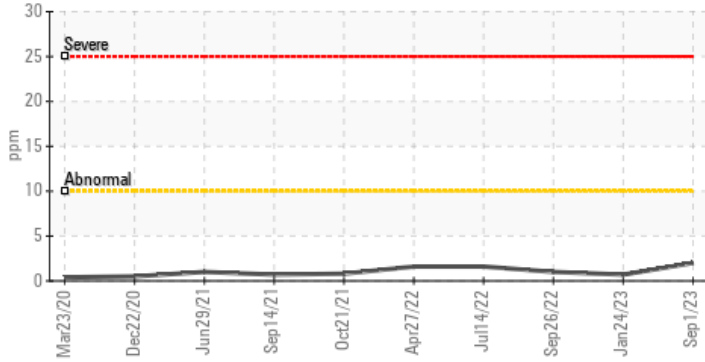
### Iron (ppm)



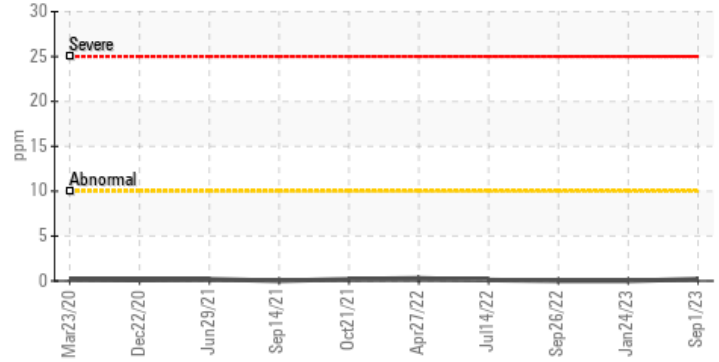
### Lead (ppm)



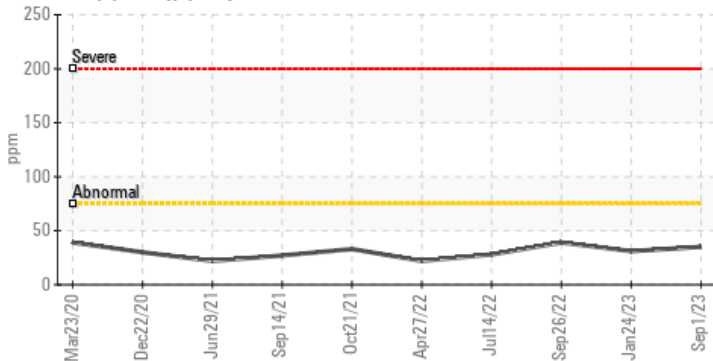
### Aluminum (ppm)



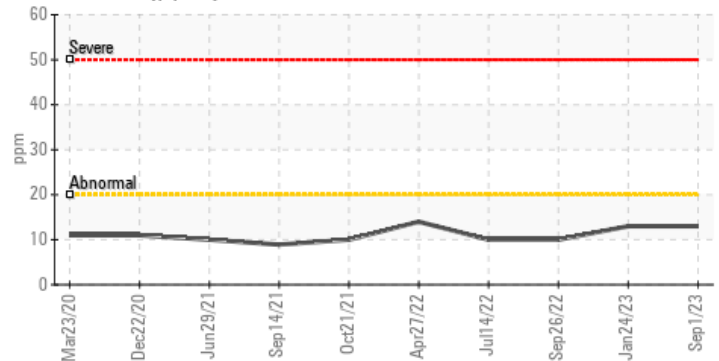
### Chromium (ppm)



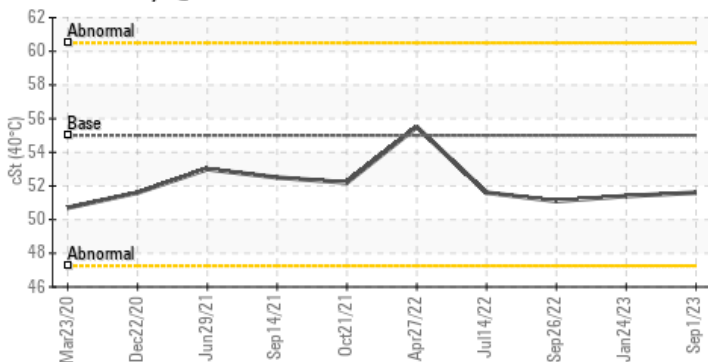
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

